FIG. 1

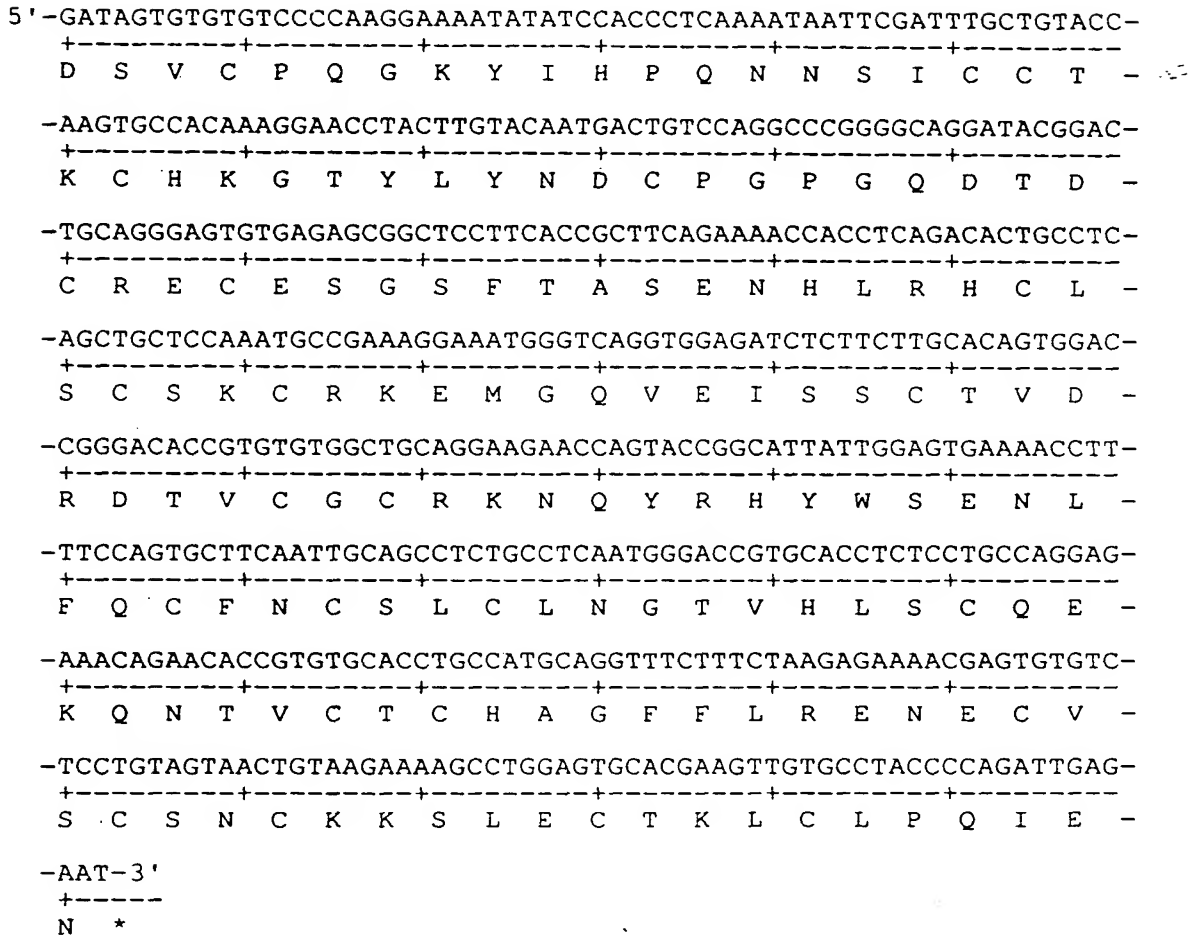

5'-GATAGTGTGTGTCCCCAAGGAAAATATATCCACCCTCAAAATAATTCGATTTGCTGTACC-
D S V C P Q G K Y I H P Q N N S I C C T -
-AAGTGCCACAAAGGAACCTACTTGTACAATGACTGTCCAGGCCCGGGGCAGGATACGGAC-
K C H K G T Y L Y N D C P G P G Q D T D -
-TGCAGGGAGTGTGAGAGCGGCTCCTTCACCGCTTCAGAAAACCACCTCAGACACTGCCTC-
C R E C E S G S F T A S E N H L R H C L -
-AGCTGCTCCAAATGCCGAAAGGAAATGGGTCAGGTGGAGATCTCTTCTTGCACAGTGGAC-
S C S K C R K E M G Q V E I S S C T V D -
-CGGGACACCGTGTGTGGCTGCAGGAAGAACCAGTACCGGCATTATTGGAGTGAAAACCTT-
R D T V C G C R K N Q Y R H Y W S E N L -
-TTCCAGTGCTTCAATTGCAGCCTCTGCCTCAATGGGACCGTGCACCTCTCCTGCCAGGAG-
F Q C F N C S L C L N G T V H L S C Q E -
-AAACAGAACACCGTGTGCACCTGCCATGCAGGTTTCTTTCTAAGAGAAAACGAGTGTGTC-
K Q N T V C T C H A G F F L R E N E C V -
-TCCTGTAGTAACTGTAAGAAAAGCCTGGAGTGCACGAAGTTGTGCCTACCCCAGATTGAG-
S C S N C K K S L E C T K L C L P Q I E -
-AAT-3'
N *

FIG. 2

```
5'-TTGCCCGCCCAGGTGGCATTTACACCCTACGCCCCGGAGCCCGGGAGCACATGCCGGCTC-
   +---------+---------+---------+---------+---------+---------+
   L  P  A  Q  V  A  F  T  P  Y  A  P  E  P  G  S  T  C  R  L  -

  -AGAGAATACTATGACCAGACAGCTCAGATGTGCTGCAGCAAGTGCTCGCCGGGCCAACAT-
   +---------+---------+---------+---------+---------+---------+
   R  E  Y  Y  D  Q  T  A  Q  M  C  C  S  K  C  S  P  G  Q  H  -

  -GCAAAAGTCTTCTGTACCAAGACCTCGGACACCGTGTGTGACTCCTGTGAGGACAGCACA-
   +---------+---------+---------+---------+---------+---------+
   A  K  V  F  C  T  K  T  S  D  T  V  C  D  S  C  E  D  S  T  -

  -TACACCCAGCTCTGGAACTGGGTTCCCGAGTGCTTGAGCTGTGGCTCCCGCTGTAGCTCT-
   +---------+---------+---------+---------+---------+---------+
   Y  T  Q  L  W  N  W  V  P  E  C  L  S  C  G  S  R  C  S  S  -

  -GACCAGGTGGAAACTCAAGCCTGCACTCGGGAACAGAACCGCATCTGCACCTGCAGGCCC-
   +---------+---------+---------+---------+---------+---------+
   D  Q  V  E  T  Q  A  C  T  R  E  Q  N  R  I  C  T  C  R  P  -

  -GGCTGGTACTGCGCGCTGAGCAAGCAGGAGGGGTGCCGGCTGTGCGCGCCGCTGCGCAAG-
   +---------+---------+---------+---------+---------+---------+
   G  W  Y  C  A  L  S  K  Q  E  G  C  R  L  C  A  P  L  R  K  -

  -TGCCGCCCGGGCTTCGGCGTGGCCAGACCAGGAACTGAAACATCAGACGTGGTGTGCAAG-
   +---------+---------+---------+---------+---------+---------+
   C  R  P  G  F  G  V  A  R  P  G  T  E  T  S  D  V  V  C  K  -

  -CCCTGTGCCCCGGGGACGTTCTCCAACACGACTTCATCCACGGATATTTGCAGGCCCCAC-
   +---------+---------+---------+---------+---------+---------+
   P  C  A  P  G  T  F  S  N  T  T  S  S  T  D  I  C  R  P  H  -

  -CAGATCTGTAACGTGGTGGCCATCCCTGGGAATGCAAGCAGGGATGCAGTCTGCACGTCC-
   +---------+---------+---------+---------+---------+---------+
   Q  I  C  N  V  V  A  I  P  G  N  A  S  R  D  A  V  C  T  S  -

  -ACGTCCCCCACCCGGAGTATGGCCCCAGGGGCAGTACACTTACCCCAGCCAGTGTCCACA-
   +---------+---------+---------+---------+---------+---------+
   T  S  P  T  R  S  M  A  P  G  A  V  H  L  P  Q  P  V  S  T  -

  -CGATCCCAACACACGCAGCCAACTCCAGAACCCAGCACTGCTCCAAGCACCTCCTTCCTG-
   +---------+---------+---------+---------+---------+---------+
   R  S  Q  H  T  Q  P  T  P  E  P  S  T  A  P  S  T  S  F  L  -

  -CTCCCAATGGGCCCCAGCCCCCCAGCTGAAGGGAGCACTGGCGAC-3'
   +---------+---------+---------+---------+---------+---------+
   L  P  M  G  P  S  P  P  A  E  G  S  T  G  D  *
```

FIG. 3

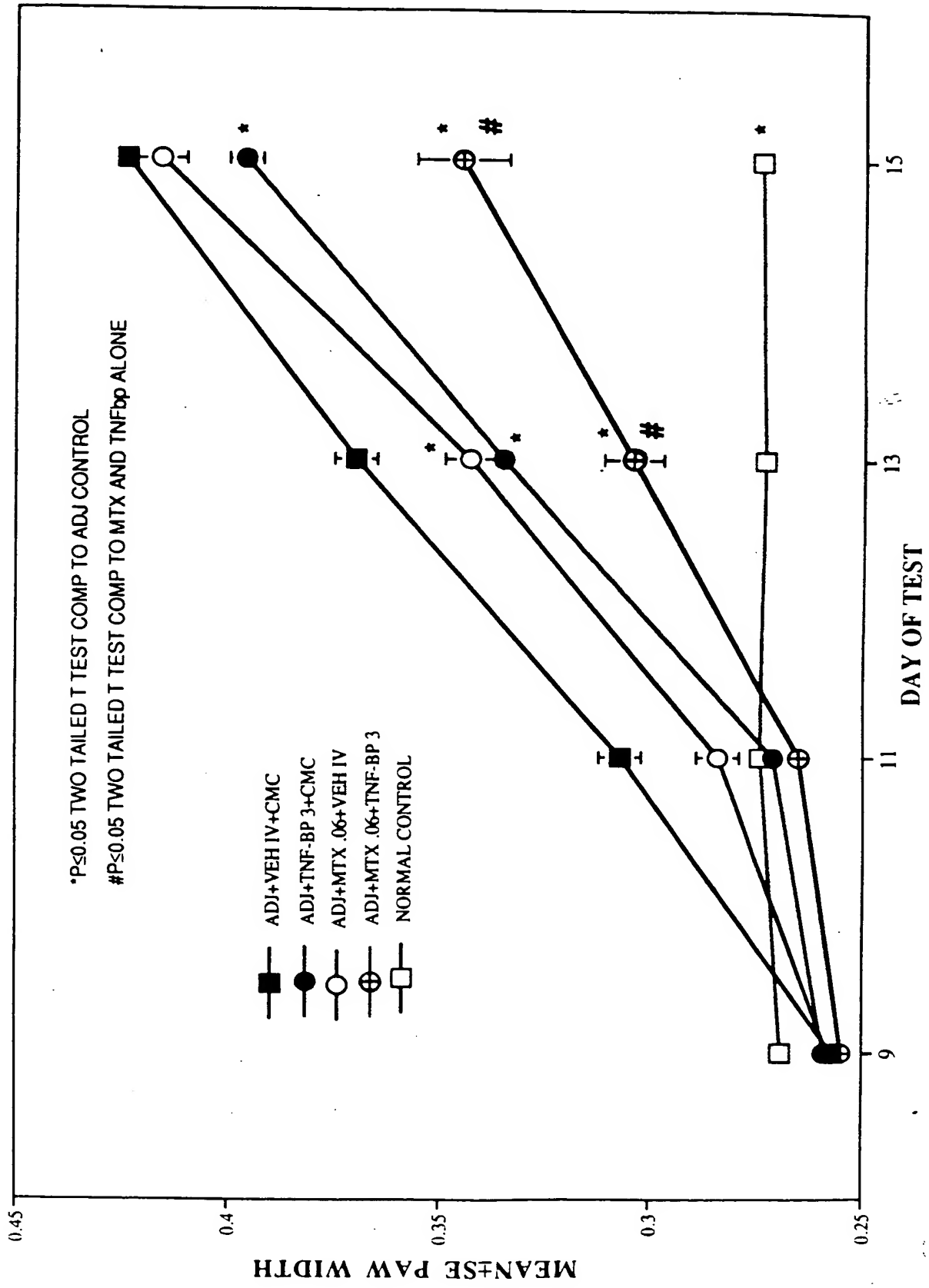
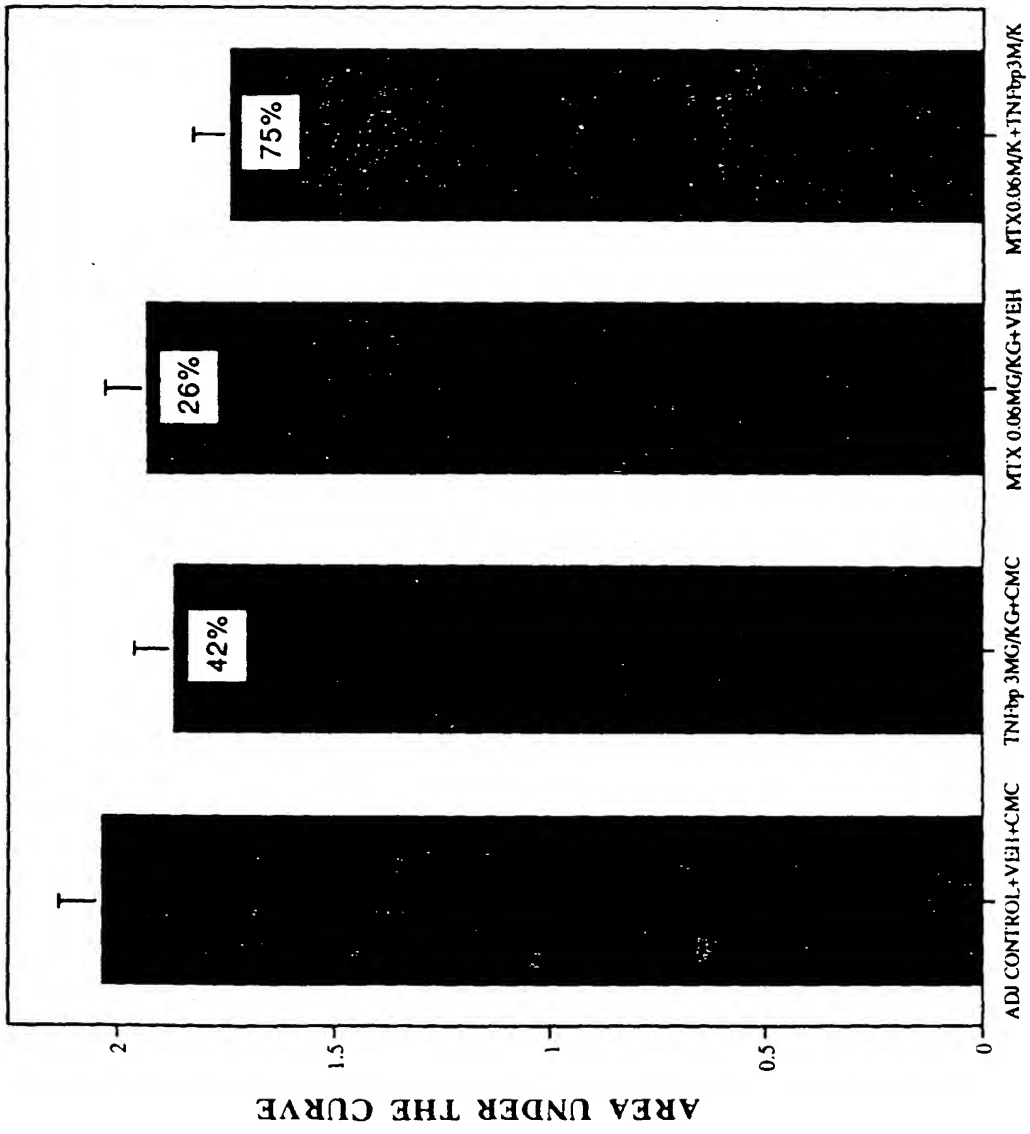

*P≤0.05 TWO TAILED T TEST COMP TO ADJ CONTROL
#P≤0.05 TWO TAILED T TEST COMP TO MTX AND TNFbp ALONE
ADJ+VEH IV+CMC
ADJ+TNF-BP 3+CMC
ADJ+MTX .06+VEH IV
ADJ+MTX .06+TNF-BP 3
NORMAL CONTROL
MEAN±SE PAW WIDTH
0.45
0.4
0.35
0.3
0.25
9
11
13
15
DAY OF TEST

FIG. 4


AREA UNDER THE CURVE
0
0.5
1
1.5
2
42%
26%
75%
ADJ CONTROL+VEH+CMC
TNFbp 3MG/KG+CMC
MTX 0.06MG/KG+VEH
MTX0.06M/K+TNFbp3M/K
TREATMENT GROUP

TITLE: COMBINATION THERAPY USING A TNF BINDING PROTEIN FOR TREATING TNF-MEDIATED DISEASES
Inventors: Bendele, et al.
APPLN. NO: A-430H

FIG. 5

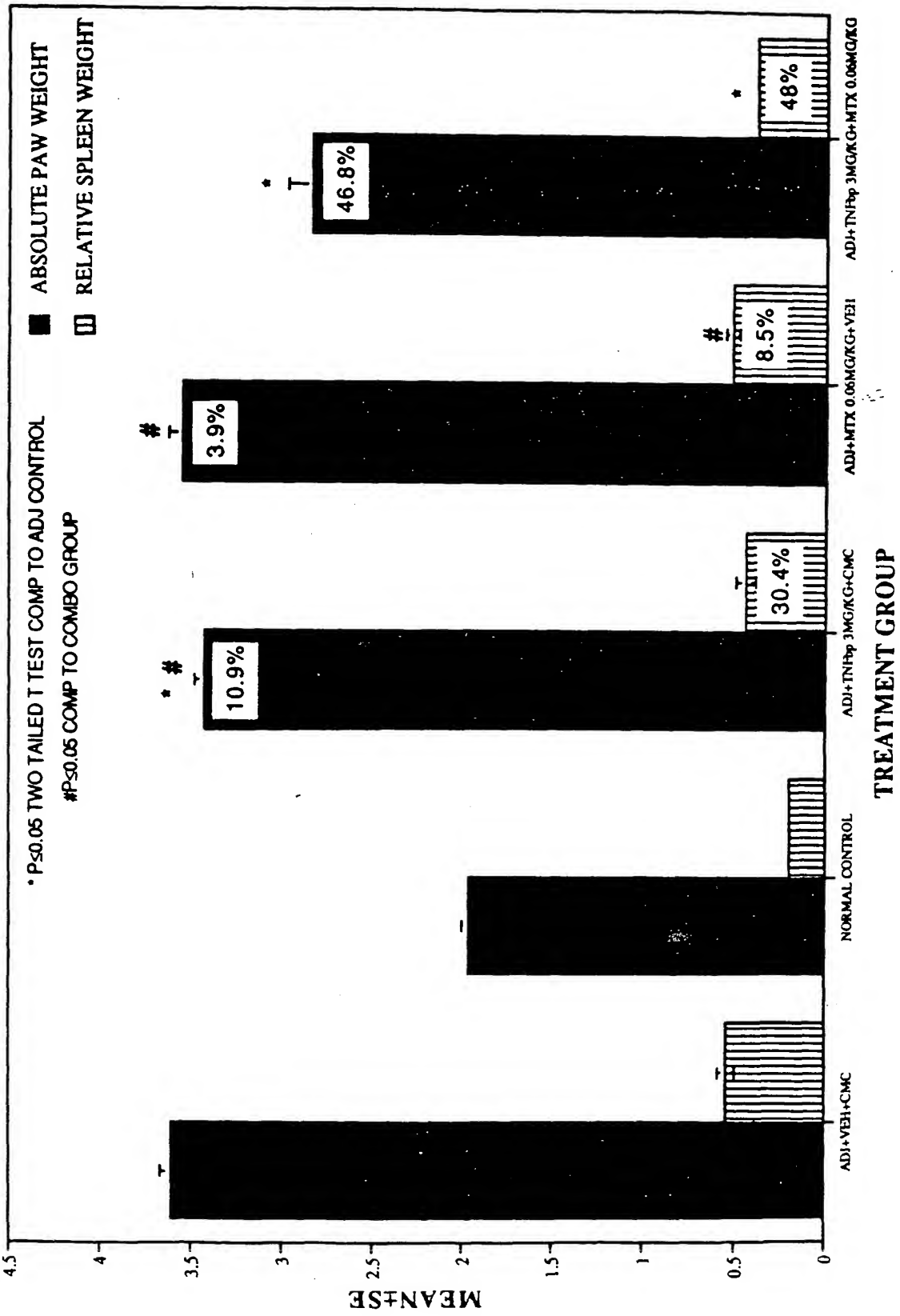


FIG. 6

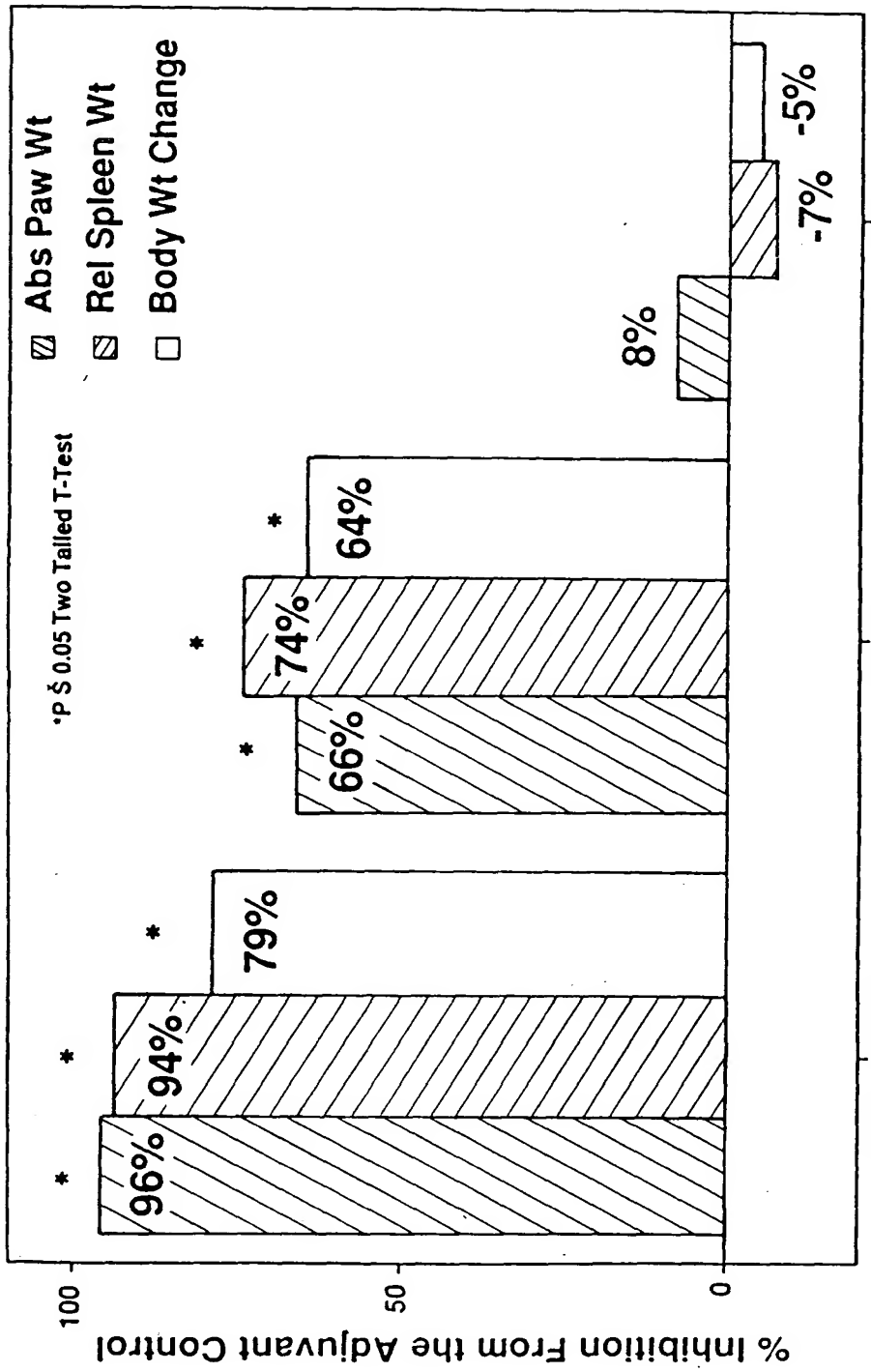

Abs Paw Wt
Rel Spleen Wt
Body Wt Change
*P ≤ 0.05 Two Tailed T-Test
% Inhibition From the Adjuvant Control
100
50
0
96%
94%
79%
66%
74%
64%
8%
-7%
-5%
*
P75 + MTX
MTX
P75
Treatment Group

FIG. 7

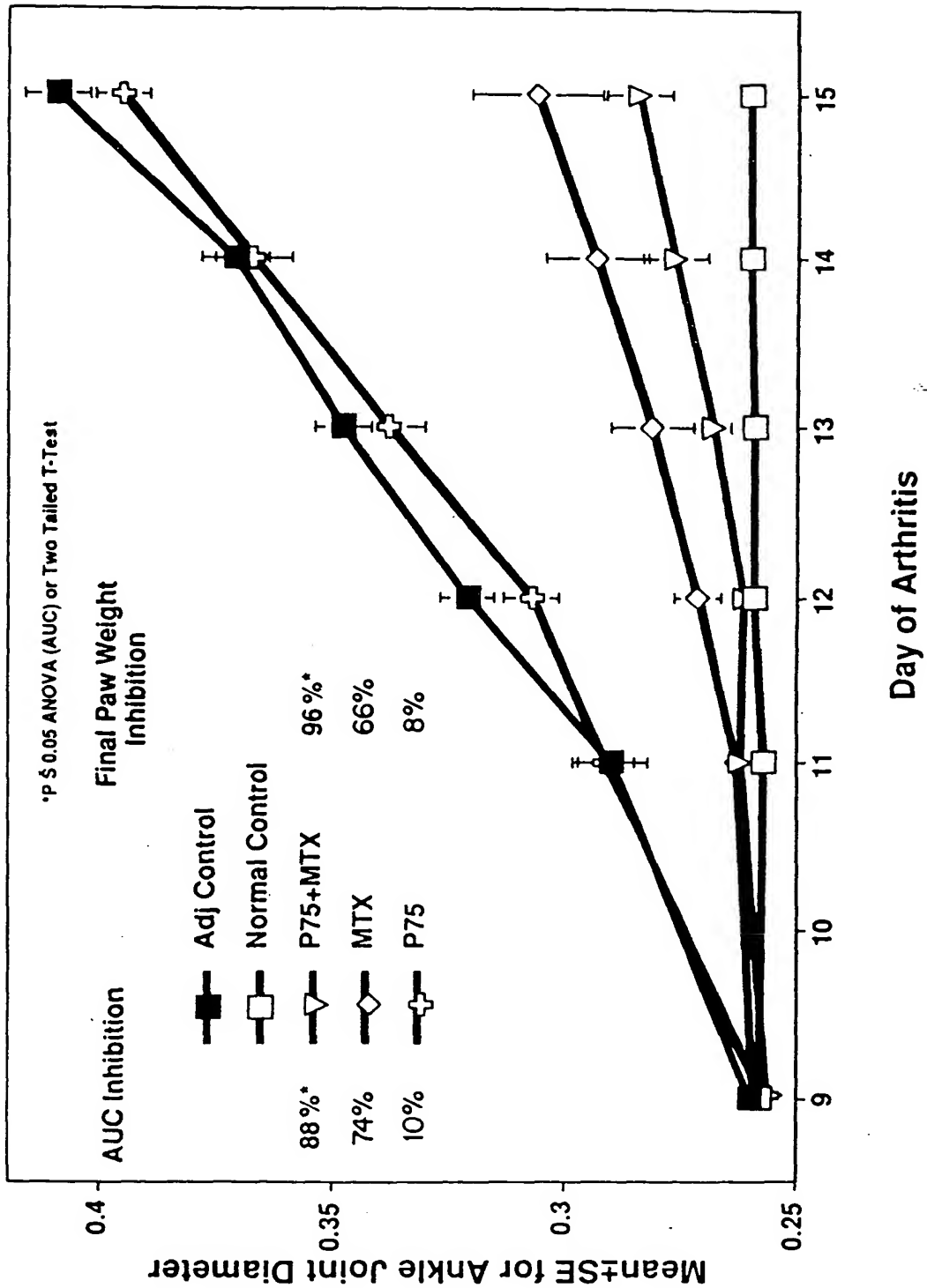
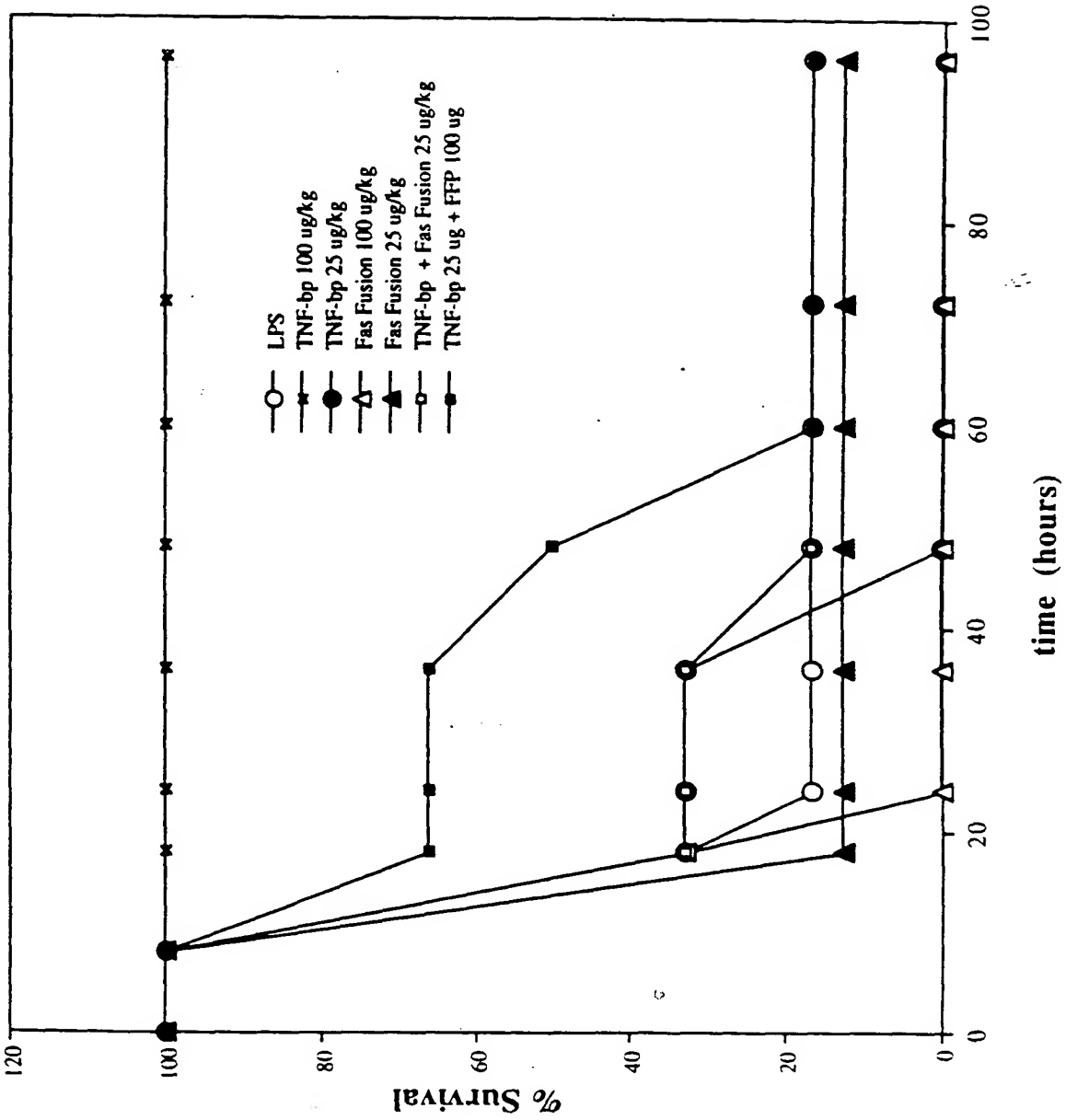

Mean±SE for Ankle Joint Diameter
0.4
0.35
0.3
0.25
9
10
11
12
13
14
15
Day of Arthritis
AUC Inhibition
Adj Control
Normal Control
P75+MTX
MTX
P75
88%*
74%
10%
Final Paw Weight Inhibition
96%*
66%
8%
*P ≤ 0.05 ANOVA (AUC) or Two Tailed T-Test

FIG. 8


% Survival
120
100
80
60
40
20
0
0
20
40
60
80
100
time (hours)
LPS
TNF-bp 100 ug/kg
TNF-bp 25 ug/kg
Fas Fusion 100 ug/kg
Fas Fusion 25 ug/kg
TNF-bp + Fas Fusion 25 ug/kg
TNF-bp 25 ug + FFP 100 ug